Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1	1 (Currently Amended). A system for verifying authenticity of a
2	manufactured product, comprising:
3	an electronic tag attached to or embedded in one of said product
4	and product packaging, said electronic tag comprising a memory storing
5	authentication information for said product; and
6	a reader for reading said authentication information from said
7	electronic tag to verify that said product is authentic based soley on the
8	information contained in said memory without revealing said
9	authentication information.; and
10	a label attached to or printed on one of said product and product
11	packaging having printed authentication information thereon to be verified
12	against the authentication information stored in said memory of said
13	electronic tag which is read by said reader;
14	wherein said authentication information in said memory of said
15	electronic tag is encrypted using a private key and said reader decrypts said
16	information using a corresponding public key, and wherein a zero-
17	knowledge protocol is used to make said authentication information
18	resistant to duplication, whereby authenticity of said product achieved by a
19	comparison of said authentication information read by said reader and said
20	printed authentication information on said label.
1	2 (Original). A system for verifying the authenticity of a manufactured
2	product as recited in claim 1 wherein said electronic tag is a smart card.
1	3 (Original). A system for verifying, the authenticity of a manufactured
2	product as recited in claim 1 wherein said electronic tag is embedded into
3	one of said product and product packaging product.

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1	4 Canceled
1	5 (Currently amended). A system for verifying the authenticity of a
2	manufactured product as recited in claim 1 further comprising a point of
3	sale machine, said reader being contained in or connected to said point of
4	sale machine containing, said reader for authenticating said product in
5	front of a consumer prior to purchase of the product.
1	6 (Original). A system for verifying the authenticity of a manufactured
2	product as recited in claim 1 wherein said reader comprises means for
3	reading said electronic tag without physically contacting said electronic
4	tag.
1	7 Canceled
1	8 (Original). A system for verifying the authenticity of a manufactured
2	product as recited in claim 1 wherein said authentication information is
3	directed to a manufacturer of the product.
1	9 (Original). A system for verifying the authenticity of a manufactured
2	product as recited in claim 1 wherein said authentication information is
3	specific to the product.
1	10 Canceled
1	11 (previously presented). A system for verifying the authenticity of a
2	manufactured product as recited in claim 9 wherein said authentication
3	information comprises one or more of product color, product shape,
4	product serial number, product weight, product routing information, and
5	product chemical composition.

12 (Original). A system for verifying the authenticity of a manufactured

2	product as recited in claim 9 wherein said authentication information
3	comprises a graphic image of the product.
1	13 (Original). A system for verifying the authenticity of a manufactured
2	product as recited in claim 9 wherein said authentication information
3	comprises an ownership history of the product.
1	14 Canceled
1	15 (Original). A system for verifying the authenticity of a manufactured
2	product as recited in claim 1 wherein said authentication information
3	further comprises information for authenticating said electronic tag.
1	16 (Currently Amended). A method for verifying the authenticity of a
2	manufactured product, comprising the steps of:
3	generating encrypted authentication information for a manufactured
4	product using a private key, and wherein a zero-knowledge protocol is
5	used to make said encrypted authentication information resistant to
6	duplication;
7	storing said encrypted authentication information in a memory of in
8	an electronic tag;
9	attaching said electronic tag to or embedding said electronic tag in
10	one of said manufactured product and manufactured product packaging;
11	attaching a label to or printing a label on one of said product and
12	product packaging having printed authentication information thereon to be
13	verified against the encrypted authentication information stored in said
14	memory of said electronic tag;
15	reading said encrypted authentication information from said
16	electronic tag, said reading step including decrypting said encrypted
17	authentication information using a public key corresponding to said private
18	key; and
19	verifying that said manufactured product is authentic where

20	authenticity of said product is verified by a comparison of said encrypted
21	authentication information stored in said electronic tag and said printed
22	authentication information on said label based solely on the information in
23	said electronic tag without revealing said authentication information.
1	17. Canceled
1	18. Canceled
1	19 (Original). A method for verifying the authenticity of a manufactured
2	product as recited in claim 16 further comprising the step of erasing said
3	authentication information from said electronic tag after reading.
1	20 (Original). A method for verifying the authenticity of a manufactured
2	product as recited in claim 16 further comprising the step of recording an
3	ownership history of said product in said electronic tag.
1	21 (Currently Amended). A method for detecting manufactured products
2	being sold in a parallel market, comprising the steps of:
3	generating encrypted authentication information for a manufactured
4	product using a private key, and wherein a zero-knowledge protocol is
5	used to make said encrypted authentication information resistant to
6	duplication, said encrypted authentication information including routing
7	information for the product;
8	storing said encrypted authentication information in a memory of
9	an electronic tag;
10	attaching said electronic tag to or embedding said electronic tag in
11	one of the manufactured product and manufactured product packaging;
12	reading said encrypted authentication information from said
13	electronic tag at a point of sale, said reading step including decrypting said
14	encrypted information using a public key corresponding to said private
15	key; and

16	verifying said routing information in said encrypted authentication
17	information matches routing information at a of said point of sale to
18	determine if said manufactured product is sold in a parallel market based
19	solely on the information contained in said electronic tag.
	22. Canceled
1	23. Canceled
1	24 (New) The method of claim 21, further comprising the step of attaching
2	a label to or printing a label on one of said product and product packaging
3	having printed authentication information thereon to be verified against the
4	encrypted authentication information stored in said memory of said
5	electronic tag, said printed authentication information including printed
6	routing information.